EDX-F03 / EDX-F04

Architectural Lighting Control System 4 CH.

FLUORESCENT LAMP DIMMING PACK

【USER MANUAL】

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1 EDX-F03 / EDX-F04 DIMMING PACK LAYOUT

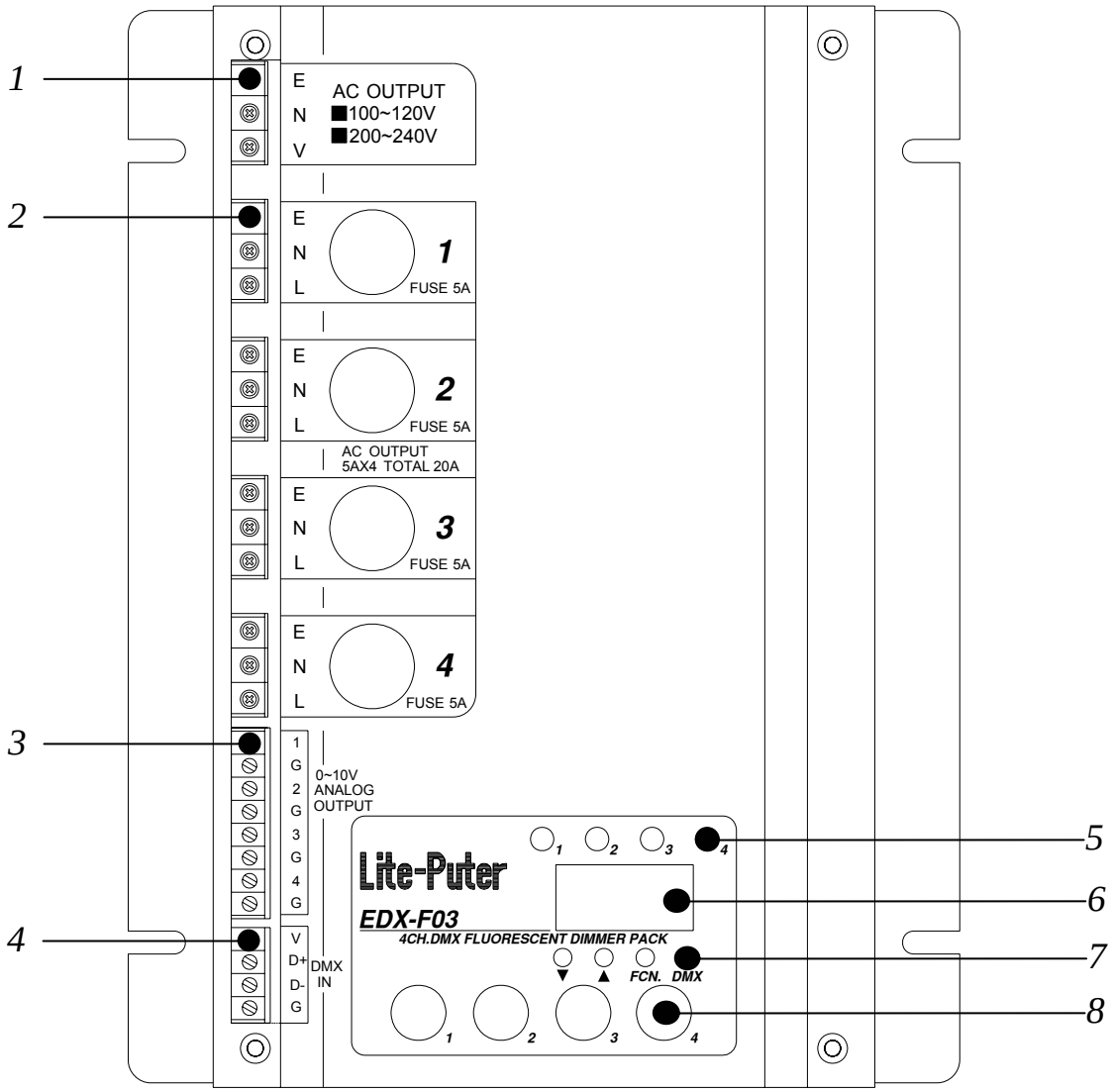
1.1 MAIN FEATURES

- It is allowed 4 channels output. Each channel includes one AC OUT power supply for fluorescent lamp (input power same as EDX-F03 / EDX-F04) and one DC 0-10V for fluorescent lamp dimming . It is available for normal lamps .
- It is able to be parallel connecting DMX control panel ECP-101/102/103
- It is able to be controlled using DMX512 serial signal .
- It is able to store 6 scenes through DMX control panel ECP-103 .
- It is allowed to preset the OFF time of AC OUT power , 1 second ~ 99 seconds .
- It is able to preset the time of fade- in and fade-out scene by scene , 1 second ~ 99 seconds .
- It is able to install 99 sets of scene zone linking at most .

1.2 EDX-F03 / EDX-F04 Technical Specifications

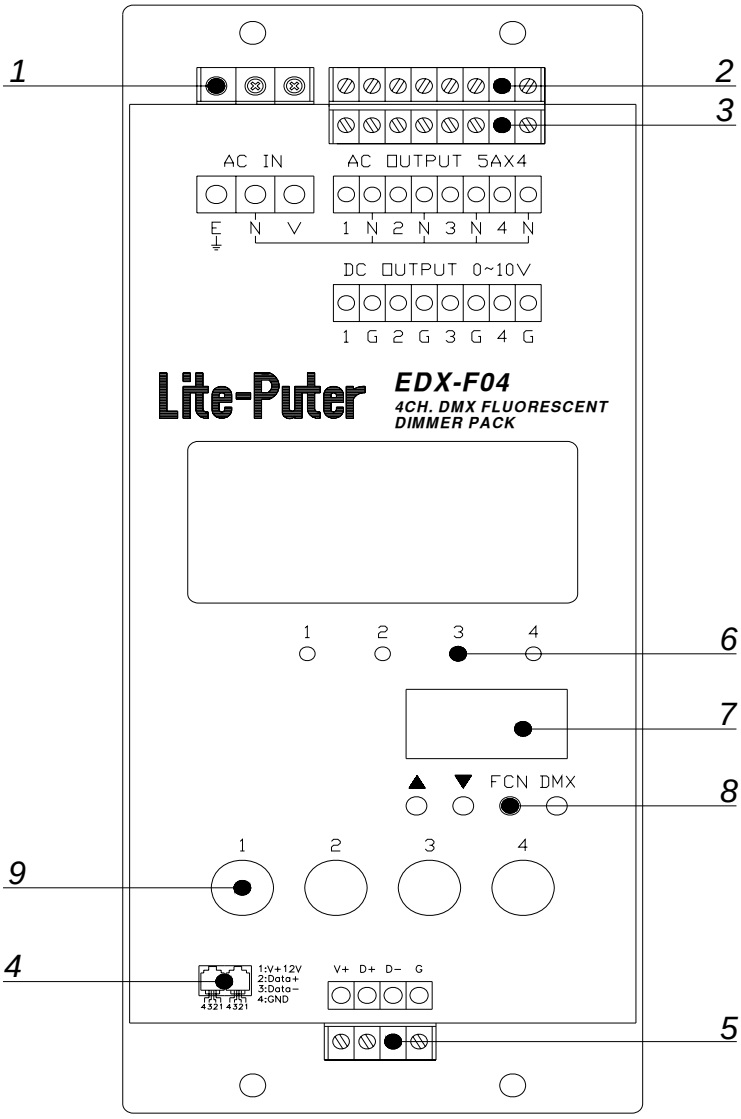
- Power Supply：1Φ2W，110V / 220V switch ,
  5A per channel max. / room temperature.
- DMX signal inputs：DMX512 / 1990，RS-485
- DMX signal outputs channel：4 channels
- DMX signal connector：EDX-F03：4-PIN TERMINAL BLOCKS
  4-PIN CONNECTOR * 2
  EDX-F04：6P 6C PHONEJECK * 2
  4-PIN PLUGGABLE TERMINAL BLOCKS
- Dimension：EDX-F03：180(W) x 235(H) x 76(D) mm
  EDX-F04：100(W) x 240(H) x 57(D) mm
- Weight： EDX-F03：2 kg
  EDX-F04：1.3 kg

1.3 EDX-F03 Faceplate manual



1	AC power input terminal board
2	AC power output terminal board
3	DC power output terminal board
4	Connector for controller input signal
5	1-4 channel indicating
6	LED display
7	Function buttons 【▼】【▲】【FCN】【DMX】
8	Instant output buttons 【1】【2】【3】【4】

1.3 EDX-F04 Faceplate manual



1	AC power input terminal board
2	AC power output terminal board
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4	Connector for controller input signal
5	Terminal board for controller input signal
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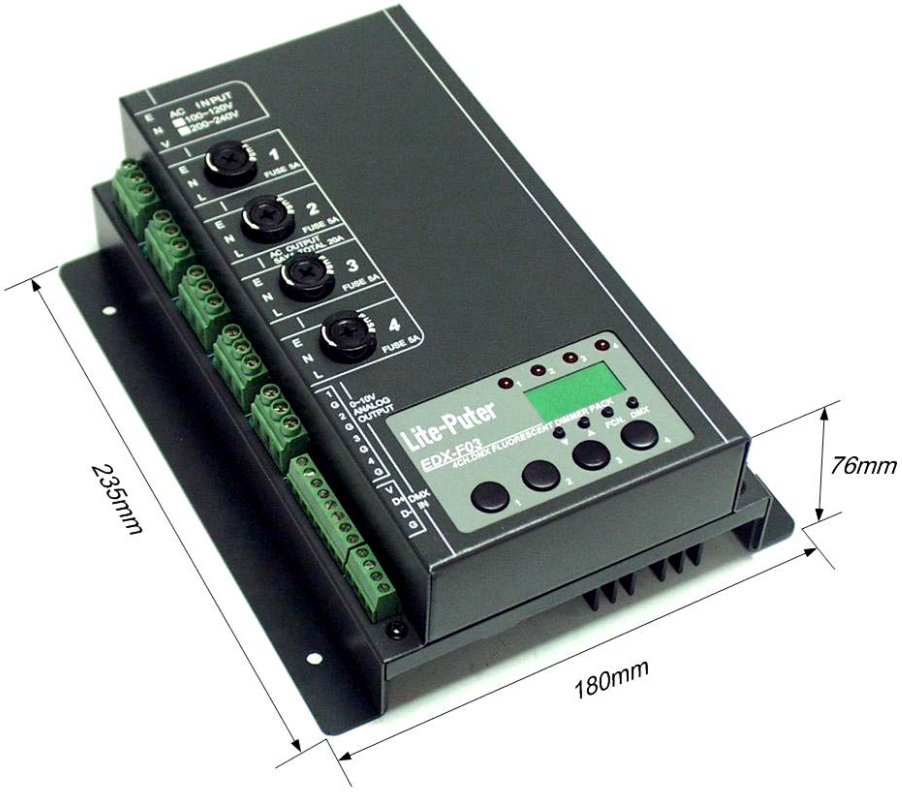
7	LED display
8	Function buttons 【▲】【▼】【FCN】【DMX】
9	Instant output buttons 【1】【2】【3】【4】

1.4 Dimensions



2. EDX-F03 / EDX-F04 Operating manual

2.1 Reset

STEP-1： Press and hold down the buttons【▲】and【▼】and turn on the power , LED displays：

STEP-2： Press【FCN】to cancel RESET , LED displays：

STEP-3： Press【DMX】to reset , LED displays first：

displays afterward：

2.2 Starting Channel Address Preset

STEP-1： To preset DMX IN starting channel , press and hold down button【DMX】and press the button【▲】or【▼】. For example , when you press【▲】, LED will display：

In the DMX IN mode , the first dot shinning means that the DMX signal input .

2.3 Output model setting up

EDX-F03 / EDX-F04 is available for control of normal dimming lamp , switching lamp or DC dimming fluorescent light , as long as you set up model of output .

STEP-1： Press and hold button【FCN】until LED displays as below：

AL：It means all channels
F ：It is for fluorescent lamp

STEP-2： While you press button【▲】or【▼】, you can set up output model of all channels

S ：It means for switching (SWITCH)
d ：It means for dimming (DIMMER)

STEP-3： If you would like to set output model for individual channel, press button【FCN】to choose the channel you require , then press button【▲】or【▼】.

1、When one of channels is set in the status of SWITCH , input signal lower than 20% , AC output is closed ; input signal higher than 50% , AC output is open .
2、When one of channels is set for fluorescent light , DC OUTPUT is DC 0V ~ 10V , AC OUTPUT is ON and OFF , when input signal higher than 10% (1AH) AC OUTPUT is open .

2.4 AC OUT OFF delay preset

STEP-1： Press button【FCN】, LED displays：

01 means that AC OUT OFF delay is set as 1 second .

While the output is higher than 10% (1AH) , AC OUT will be turn on.
While the output is less than 8% (13H) , which achieves required delay time , AC OUT will be turn off.

STEP-2： Press button【▲】or【▼】to adjust AC OUT OFF delay time . For example, to press button【▲】, LED display：

The delay of AC OUT OFF is set as 2 seconds .

CORRESPONDING TABLE

A.o.00	A.o.01	A.o.02	A.o.03	A.o.04	A.o.05	A.o.06	A.o.07	A.o.08	A.o.09
Instant	1 sec.	2 sec.	3 sec.	4 sec.	5 sec.	6 sec.	7 sec.	8 sec.	9 sec.
A.o.10	A.o.11	A.o.12	A.o.13	A.o.14	A.o.15	A.o.16	A.o.17	A.o.18	A.o.19
10 sec	11 sec.	12 sec.	13 sec.	14 sec.	15 sec.	16 sec.	17 sec.	18 sec.	19 sec.
A.o.20	A.o.21	A.o.22	A.o.23	A.o.24	A.o.25	A.o.26	A.o.27	A.o.28	A.o.29
20 sec	21 sec.	22 sec.	23 sec.	24 sec.	25 sec.	26 sec.	27 sec.	28 sec.	29 sec.
A.o.30	A.o.31	A.o.32	A.o.33	A.o.34	A.o.35	A.o.36	A.o.37	A.o.38	A.o.39
30 sec	31 sec.	32 sec.	33 sec.	34sec.	35 sec.	36 sec.	37sec.	38sec.	39 sec.
A.o.40	A.o.41	A.o.42	A.o.43	A.o.44	A.o.45	A.o.46	A.o.47	A.o.48	A.o.49
40 sec	41 sec.	42 sec.	43 sec.	44sec.	45 sec.	46 sec.	47sec.	48sec.	49 sec.
A.o.50	A.o.51	A.o.52	A.o.53	A.o.54	A.o.55	A.o.56	A.o.57	A.o.58	A.o.59
50 sec	51 sec.	52 sec.	53 sec.	54sec.	55 sec.	56 sec.	57sec.	58sec.	59 sec.
A.o.60	A.o.61	A.o.62	A.o.63	A.o.64	A.o.65	A.o.66	A.o.67	A.o.68	A.o.69
60 sec	61 sec.	62 sec.	63 sec.	64sec.	65 sec.	66 sec.	67sec.	68sec.	69 sec.
A.o.70	A.o.71	A.o.72	A.o.73	A.o.74	A.o.75	A.o.76	A.o.77	A.o.78	A.o.79
70 sec	71 sec.	72 sec.	73 sec.	74sec.	75 sec.	76 sec.	77sec.	78sec.	79 sec.
A.o.80	A.o.81	A.o.82	A.o.83	A.o.84	A.o.85	A.o.86	A.o.87	A.o.88	A.o.89
80 sec	81 sec.	82 sec.	83 sec.	84sec.	85 sec.	86 sec.	87sec.	88sec.	89 sec.
A.o.90	A.o.91	A.o.92	A.o.93	A.o.94	A.o.95	A.o.96	A.o.97	A.o.98	A.o.99
90 sec	91 sec.	92 sec.	93 sec.	94 sec.	95 sec.	96 sec.	97sec.	98sec.	99 sec.

2.5 Check out channel output level

STEP-1： In the **DMX IN** or **ZONE** mode, press button【▲】or【▼】, LED displays：

At the moment EDX-F03 / EDX-F04 is in the mode of Auto-Check channel level , it means that the channel 1 output level is 37%.

STEP-2： While the 2nd channel is altering , EDX-F04 will automatically convert to 2nd channel and display channel output level of channel 2：

STEP-3： To press button 【▲】or【▼】 once again, you can choose the channel you want to check out . For example, you choose channel 3, LED displays：

Afterwards, the function of Auto-Check channel output level will be shut.

3 Operating of architectural lighting control system

3.1 ID NO. setting up

To collocate architectural lighting control system , it is required to set up ID NO. and the ZONE . The ID NO default of EDX-F03 / EDX-F04 is 001 . It is no need to adjust ID NO. for single machine . On the other hand , it is necessary to set up ID NO. of each when numbers of machines connecting .

STEP-1： Press and hold button【FCN】in any mode until LED displays：

STEP-2： In the meanwhile , press button【▲】or【▼】to adjust ID NO. , then press button【DMX】, it will return to the mode of DMX initial address .

3.2 ZONE preset

STEP-1： In the mode of Scene's fading time setting , press and hold down button 【FCN】for 2 seconds , LED display：

The first 2 digits 00 are shining , these 2 digits means MASTER ZONE .

STEP-2： Press button【▲】or【▼】to choose MASTER ZONE you want to set . For example , press【▲】, LED displays：

STEP-3： To press button 【FCN】, you can convert from MASTER ZONE to DASH ZONE, LED displays：

You'll find the 2 behind digits are shining

STEP-4： Press button 【▲】or【▼】, you can choose DASH ZONE you want to set , LED displays：

※ **The purpose of ZONE setting up is mainly aimed at ECP series control panel in architectural lighting control system . It is not required in simple DMX signal condition.**

3.3 Scene's fading time preset

STEP-1：In the AC OUT OFF delay mode , press and hold down button【FCN】for 2 seconds, LED displays：

0 F 0.1 means that scene OFF delay is 0.1 second .

The first digit means relative scene . Digit 0 means OFF scene , digit “1” means Scene 1 , digit “2” means Scene 2 and so on ..

0.1 means fading time .

STEP-2： Press button 【FCN】 to choose relative scene . For example, In the mode of 0 F 0.1, press button【FCN】, LED displays：

It means that you can set fading time 0.1 second for SCENE1 .

STEP-3： Press button【▲】or【▼】 to adjust fading time . For example , press【▲】 LED displays：

It is allowed to call out and store the scenes through ECP series of control panels. ECP series of control panel is compatible to EDX-F03 / EDX-F04 . Please refer to user manual of ECP series .

Corresponding table

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.1 s	0.2 s	0.3 s	0.4 s	0.5 s	0.6 s	0.7 s	0.8 s	0.9 s	1 s
2	3	4	5	6	7	8	9	10	12
2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s	10 s	12 s
14	16	18	20	25	30	35	40	45	50
14 s	16 s	18 s	20 s	25 s	30 s	35 s	40 s	45 s	50 s
55	1 ·	2 ·	3 ·	4 ·	5 ·	6 ·	7 ·	8 ·	9 ·
55 s	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m
10 ·	11 ·	12 ·	13 ·	14 ·	15 ·	16 ·	17 ·	18 ·	19 ·
10 m	11 m	12 m	13 m	14 m	15 m	16 m	17 m	18 m	19 m
20 ·	21 ·	22 ·	23 ·	24 ·	25 ·	26 ·	27 ·	28 ·	29 ·
20 m	21 m	22 m	23 m	24 m	25 m	26 m	27 m	28 m	29 m
30 ·	31 ·	32 ·	33 ·	34 ·	35 ·	36 ·	37 ·	38 ·	39 ·
30 m	31 m	32 m	33 m	34 m	35 m	36 m	37 m	38 m	39 m
40 ·	41 ·	42 ·	43 ·	44 ·	45 ·	46 ·	47 ·	48 ·	49 ·
40 m	41 m	42 m	43 m	44 m	45 m	46 m	47 m	48 m	49 m
50 ·	51 ·	52 ·	53 ·	54 ·	55 ·	56 ·	57 ·	58 ·	59 ·
50 m	51 m	52 m	53 m	54 m	55 m	56 m	57 m	58 m	59 m
60 ·	61 ·	62 ·	63 ·	64 ·	65 ·	66 ·	67 ·	68 ·	69 ·
60 m	61 m	62 m	63 m	64 m	65 m	66 m	67 m	68 m	69 m
70 ·	71 ·	72 ·	73 ·	74 ·	75 ·	76 ·	77 ·	78 ·	79 ·
70 m	71 m	72 m	73 m	74 m	75 m	76 m	77 m	78 m	79 m
80 ·	81 ·	82 ·	83 ·	84 ·	85 ·	86 ·	87 ·	88 ·	89 ·
80 m	81 m	82 m	83 m	84 m	85 m	86 m	87 m	88 m	89 m
90 ·	91 ·	92 ·	93 ·	94 ·	95 ·	96 ·	97 ·	98 ·	99 ·
90 m	91 m	92 m	93 m	94 m	95 m	96 m	97 m	98 m	99 m

3.4 Scene Save

STEP-1 : Edit the desired scene by any DMX controller and cut off DMX signal.

STEP-2 :Press【DMX】and【1】to save the current output to scene 1.It will display as below.

SCENE 1 → 【DMX】+【1】
SCENE 2 → 【DMX】+【2】
SCENE 3 → 【DMX】+【3】
SCENE 4 → 【DMX】+【4】
SCENE 5 → 【DMX】+【FCN】+【1】
SCENE 6 → 【DMX】+【FCN】+【2】

3.5 Quick turn on/off channel

When no DMX signal output, press the key【1】~【4】to quick turn on/off 4 channels.

Caution: Don't contact the outer cover by multimeter when test this device.

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for EDX-F03/EDX-F04 itself.

2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.

3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
E	Add caution description

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